

Notice of Allowability

Application No.

09/762,540

Examiner

Tammy T. Nguyen

Applicant(s)

ARCIERI ET AL.

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to December 17, 2004.
2. ☒ The allowed claim(s) is/are 1-8 and 10-12.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☒ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

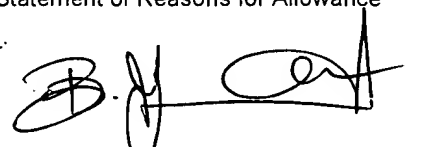
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


BUNJOB JAROENCHONWANIT
PRIMARY EXAMINER



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20590
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Reasons for allowance

1. The following is an examiner's statement of reasons for allowance:
2. Claims 1-8, and 10-12 are allowed in response to applicant's persuasive arguments.
3. The following is an examiner's statement of reasons for allowance: None of the prior art teach or suggest a network access control device through in series deterministic recognition of application frames satisfying a set of predetermined syntactical rules comprising: means for monitoring and interpretation of the application frames to recognize; means for storing predetermined syntactical rules; means for compiling the predetermined syntactical rules in a direct access data structure; means for storing said direct access data structure; and means for comparing the application frames to be recognized with said direct access data structure, whereby the recognition can be performed on any frame component and the direct access data structure allows an access time substantially independent from the number of rules, wherein the network access control device further comprises forwarding means, for forwarding the application frame when recognized and return to-sender means, for returning of the application frame

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when not recognized , and wherein the means for monitoring and interpretation of the application frames comprise: a) a data packets monitoring device at a layer corresponding to the OSI layer 2, said data packets comprising control frames and information frames, wherein the control and information frames contain a header portion and a body portion, said header portion allowing the distinction between an information frame and a control frame; b) a control unit receiving as an input the data coming from the monitoring device and comprising means for the discrimination of the control frames from the information frames; c) a dating unit connected to the control unit and associating a monitoring time to the control frames and to the information frames; d) a discriminated data storing unit, storing the control and the information frames and the monitoring time thereof, bidirectionally connected to the control unit; e) a predetermined data storing unit, bidirectionally connected to the control unit, said predetermined data representing possible interpretations of the information frames contained in the discriminated data storing unit; f) means for comparing, by the control unit, said predetermined data stored in the storing unit with the data contained in the body portion of the of the information frames stored in the discriminated data storing unit, thus reconstructing the information frames according to their specific application syntax; g) means for ordering, according to the time and kind of communication, the information frames reconstructed according to their specific application syntax, thus reconstruction application sequences occurred between a determined source processor and a determined destination processor; and h) means for ordering said information frames ordered according to the time and kind of

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communication also according to a logical criterion, thus reconstructing the logical path of said application sequences occurred between a determined source processor and a determined destination processor.

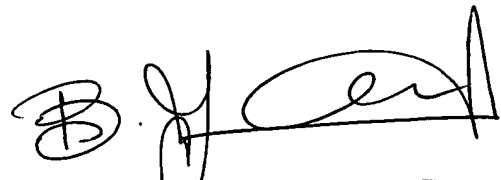
4. All dependent claims further limit the independent claim. Therefore, they are also allowed.
5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiries concerning this communication or earlier communications from the examiner should be directed to **Tammy T. Nguyen** who may be reached via telephone at (571) 272-3929. The examiner can normally be reached Monday through Friday between 8:00 a.m. and 5:00 p.m. eastern standard time.

If you need to send the Examiner, a facsimile transmission regarding this instant application, please send it to (703) 872-9306. If attempts to reach the examiner by telephone are unsuccessful, the Examiner's Supervisor, David Wiley, may be reached at (571) 272-3923.

TTN
June 7, 2005


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